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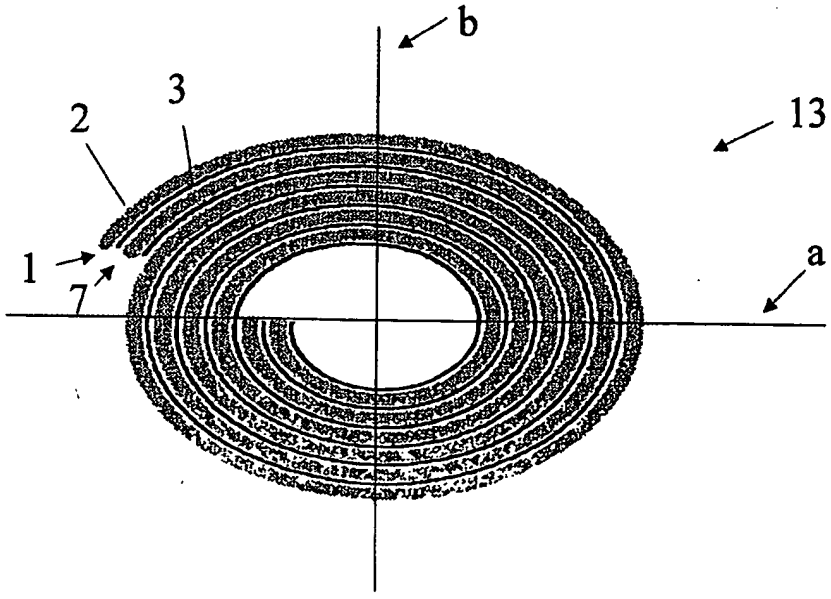
(54) Title: AN ELASTOMER ACTUATOR AND A METHOD OF MAKING AN ACTUATOR



(57) Abstract: A tubular elastomer actuator with a shape in a cross-sectional view which shape exposes at most one single axis of symmetry of a specific length, e.g. an oval shape. The actuator could be made from a sheet made from a plurality of plate shaped elements which are laminated together and rolled. Each plate shaped element may have a corrugation that gives the element an anisotropic structure, and contains an electrode on only one surface. The actuator displacement is the result of shrinkage displacement of the plate shaped elements upon the application of electrical field across their thickness.

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